Ribble Enviro

…everything gas detection

Data Sheet

Touchpoint Plus
19" Rack

A whole new control experience

Touchpoint Plus 19" Rack

Touchpoint Plus 19" Rack brings a whole new control experience to your small system of gas detectors. **Touchpoint Plus 19" Rack** is an easily configurable control system that supports up to sixteen channels of gas detection. Its modular approach enables you to take control and configure what you need for a wide range of applications.

Delivering reliable control

- *Honeywell reliability from the most trusted experts in gas detection*
- *Built-in battery backup for constant uptime*

Flexible capabilities

- *Compatible with the full range of Honeywell gas detectors*
- *Powered audiovisual alarms simplify field installation*
- *Configuration includes easy grouping and voting alarm logic without specialist knowledge*
- *Next-generation compatibility*
- *Optional Modbus output for integration with a higher level system*

Providing ease and efficiency

- *Quick and easy installation, configuration, commissioning and maintenance*
- *Easy diagnostics, data and reporting*
- *Minimised training time*
- *Large colour touchscreen LCD*
- *Multilingual capabilities*
- *Green-yellow-red status at a glance*

The signature feature of the Touchpoint line is a user-friendly touchscreen interface, and the **Touchpoint Plus 19" Rack** takes it to a new level. With this unique interface, it's easier than ever to see the status of your system at a glance - maximizing the time you have to make the right decisions. The intuitive, multilingual interface, simplifies operation and reduces training requirements. The full colour traffic light style status indication provides clarity from a distance too.

Touchpoint Plus 19" Rack includes a comprehensive set of outputs as standard including common alarms and dedicated drives for remote audiovisual indicators. Its modularity enables you to customise your system to meet your specific application requirements. Selecting the right detector for use with your controller can deliver significant savings in startup costs and on-going operations. Our global partner network and dedicated application specialists are able to help make the right choices for your industry.

With everything at your fingertips, you can take ownership of your system and operate it with confidence, ensuring the safety of your people and productivity of your site.

Unique User Experience

Taking the user experience to a whole new level

Want to fully utilise your controller?

Built for ease – so you can operate it with confidence

Want complete peace of mind?

Engineered to the highest standards of quality and reliability

Want a simple end-to-end solution?

Easy ordering, installation and servicing from the gas detection experts

Want to simplify system setup?

With the intuitive, ergonomic touchscreen, setup couldn't be easier

Want to make fast, informed decisions?

System status at-a-glance when time is critical

Want to know what's going on?

View real-time and historical data, analyse readings and much more

17:35:59 12/06/2015
Channel Summary View

Alarm 1   0
Alarm 2   0
Alarm 3   0
Fault   0
Warning   0
Inhibit   0

Clear common status indicators (Green, Yellow, Red)

Large colour touchscreen LCD with multilingual options

Mute / Reset

Individual channel status indicators

Built-in Sounder

Touchpoint Plus

Honeywell
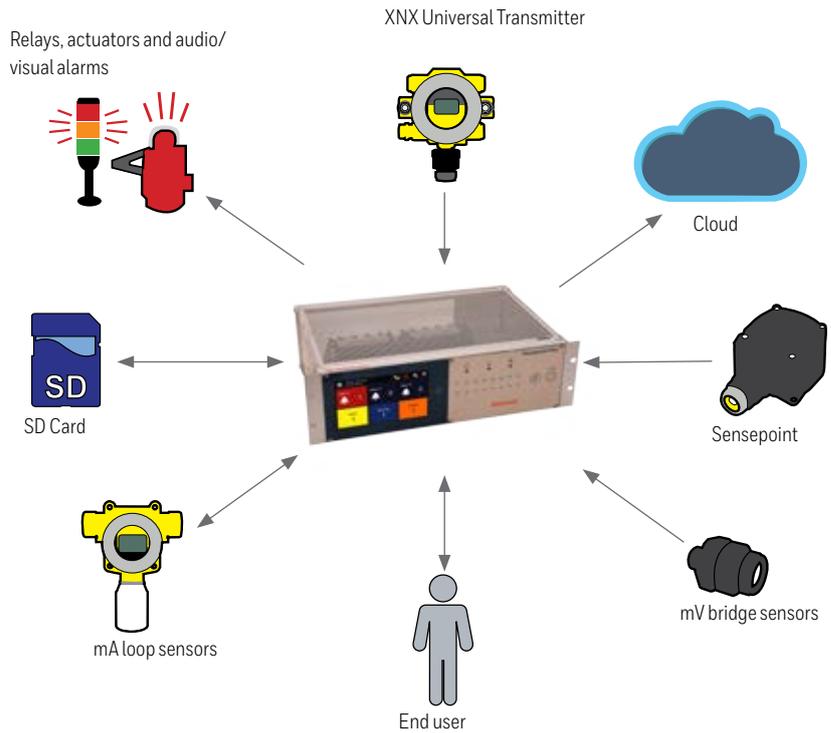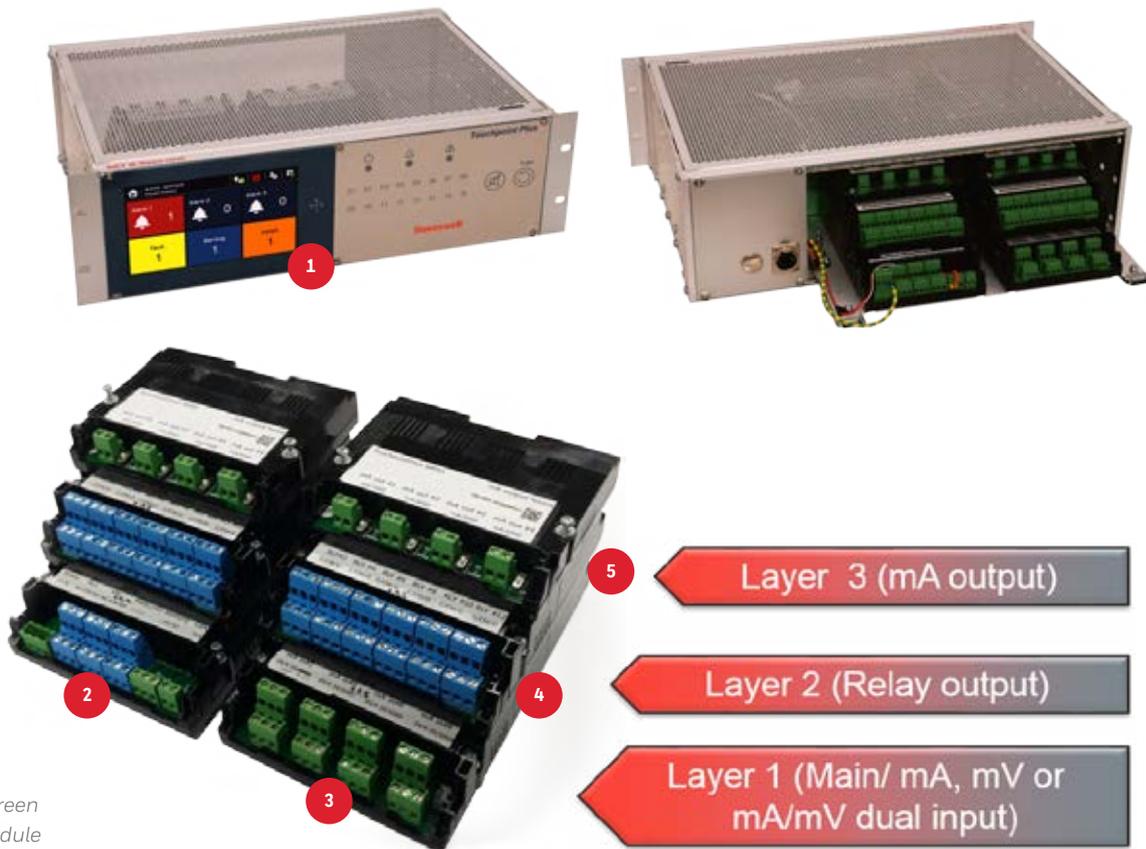
One System Solution

Honeywell Analytics' one system solution to meet your safety requirements

Touchpoint Plus 19" Rack provides a reliable safety solution for small scale gas detection systems across a wide range of applications and industries. If you need to integrate your gas detection with a higher level management system, the Modbus output option makes this straightforward.

As the heart of your gas detection system, Touchpoint Plus 19" Rack is designed to work with Honeywell's industry leading gas detectors and drive actuators, audible and visual alarms to provide a complete end-to-end solution that you can configure as your own.

Relays, actuators and audio/visual alarms

XNX Universal Transmitter

Cloud

SD Card

Sensepoint

mA loop sensors

End user

mV bridge sensors

Designed for Speed and Reliability

Layer 3 (mA output)

Layer 2 (Relay output)

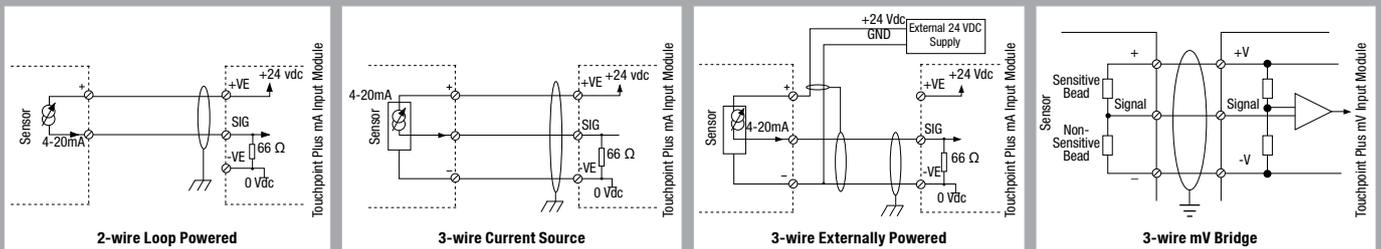Layer 1 (Main/ mA, mV or mA/mV dual input)

1. Touchscreen
2. Main Module
3. Input Module
4. Relay Output Module
5. mA Output Module

Quick And Easy Sensor Connection

Sensor Connection – compatible with a wide range of field devices

2-wire Loop Powered

3-wire Current Source

3-wire Externally Powered

3-wire mV Bridge

AVAILABLE GAS DETECTORS		
Sensepoint XCL	Simple devices, intrusive configuration, power up to 8 devices directly from Touchpoint Plus	
Signalpoint XCL		
705		
Searchpoint Optima Plus		
Sensepoint XCD	Enhanced devices, non-intrusive local operation, adjustment in field, power up to 8 devices directly from Touchpoint Plus	
Series 3000 MkII/MKIII		
RAEGuard II PID		
XNX Universal Transmitter	High integrity devices, specialised configuration, adjustment in the field, monitor up to 8 devices with external power as required	
Searchline Excel		

Note: Other field devices available on request. Some devices are not available in all regions.

General Specification

GENERAL SPECIFICATION	
Capacity	Up to 8 channels with Controller unit, up to 16 channels with expansion unit
Type of Inputs	2 or 3 wires, mA, mV, max. 15W per channel, max 40W total (with dedicated A/V drive) / 68W total (without dedicated A/V drive)
Dimensions 19" 3U Rack (H x W x D)	435 mm x 305 mm x 135 mm
Housing Material	Aluminum untreated
Weight	5.9 kg Controller unit, 5.8 kg expansion unit
Housing	19" rack, 3U
Earthing Points	M6
User Interface (UI) - Controller Only	
Display	7" colour LCD touchscreen. Graphic User Interface
Visual Indicators	3 LEDs for master indicators. LED for each channel. Green: Normal; Yellow: Fault: Inhibit; Red: Alarm
Audible Alarm	70 dB @ 1 metre (40 ins)
Button	One alarm mute and reset membrane button One additional alarm reset membrane button
Language	Selectable English, Chinese (Simplified), Dutch, French, German, Italian, Portuguese, Russian, Spanish
Power Supply*	
Power DC	18 to 32 VDC (+/-10%) Typical 24VDC
Power Consumption	Max 150W (including field devices), 210W max with expansion Unit
Environmental	
Operating Temperature	−5 to +55 ° continuous operation
Storage Temperature	Instrument −25 to +55 ºC
Humidity Range	0 – 90 %RH non-condensing
Ingress Protection	at least IP20 / Type 1 / Class 1 (grounded)

GENERAL SPECIFICATION	
Available I/O Modules	
4-20mA Input	2 or 3 wire, 2/4/8 channel modules, 10/12/16 with expansion unit
Available I/O Modules continued	
4-20mA Input	2 or 3 wire, SOURCE. 2/4/8 channel modules, 10/12/16 with expansion unit
mV Input	Catalytic type flammable gas detectors (Honeywell models). 2/4/8 channel modules, 10/12/16 with expansion unit
Dual Input	2 channel mA + 2 channel mV module or 4 channel mA + 4 channel mV module
4−20 mA Output	4 or 8 isolated repeated mA outputs, 0-22mA, 0-100%FSD = 4-20mA
Relay Output	12 or 24 relay outputs, NO/C/NC changeover, 1.7A@30VDCmax or 230VAC max user configurable - energised/de-energised, latching/non latching, time delay
Common Inputs	Remote inhibit
Common Outputs	Four powered A/V outputs for alarms and fault, three common alarm outputs
Approvals	
Electromagnetic Compatibility and Electrical Safety	EMC/RFI (EN 50270:2015) LVD (EN 61010-1:2010)
Performance**	Designed to meet - EN 50271:2010; EN 60079-29-1:2007; EN 45544-1 /-2/-3:2015
Safety Integrity**	Designed to meet - IEC/EN 61508:2010 and EN 50402:2005+A1:2008 SIL2 certification
Others	
Data logging	Configuration backups and event / TWA logging onto SD Card. Can be transferred to PC or Printer (.bin and .csv)
Communication	Optional: RS 485 Modbus RTU*** or Modbus TCP+Web monitoring***

* Basic and expansion units each require a power supply
** Contact Honeywell Analytics for availability
*** Not available in Expansion Unit

Touchpoint Plus 19" Rack
Ordering Information

Instruments

Touchpoint Plus 19'' Rack Controller

Part Number	Description
TPPLRC-V4NN	TPPL 19'' Rack controller supplied completed with 4xmV inputs, including Master 1, Master 2 and Master Fault.
TPPLRC-A4NN	TPPL 19'' Rack controller supplied completed with 4xmA inputs, including Master 1, Master 2 and Master Fault.
TPPLRC-D4NN	TPPL 19'' Rack controller supplied completed with 4xmA inputs, including Master 1, Master 2 and Master Fault.
TPPLRC-V4SN	TPPL 19'' Rack controller supplied completed with 4xmV inputs, 12 programmable relays.
TPPLRC-A4SN	TPPL 19'' Rack controller supplied completed with 4xmA inputs, 12 programmable relays.
TPPLRC-D4SN	TPPL 19'' Rack controller supplied completed with 2xmA and 2xmV inputs, 12 programmable relays.
TPPLRC-V4S4	TPPL 19'' Rack controller supplied completed with 4xmV inputs, 12 programmable relays, and with 4x repeated mA outputs.
TPPLRC-A4S4	TPPL 19'' Rack controller supplied completed with 4xmA inputs, 12 programmable relays, and with 4x repeated mA outputs.
TPPLRC-D4S4	TPPL 19'' Rack controller supplied completed with 2xmA and 2xmV inputs, 12 programmable relays, and with 4x repeated mA outputs.
TPPLRC-V8NN	TPPL 19'' Rack controller supplied completed with 8xmV inputs, including Master 1, Master 2 and Master Fault.
TPPLRC-A8NN	TPPL 19'' Rack controller supplied completed with 8xmA inputs, including Master 1, Master 2 and Master Fault.
TPPLRC-D8NN	TPPL 19'' Rack controller supplied completed with 4xmA and 4xmV inputs, including Master 1, Master 2 and Master Fault.
TPPLRC-V8SN	TPPL 19'' Rack controller supplied completed with 8xmV inputs, 12 programmable relays.
TPPLRC-A8SN	TPPL 19'' Rack controller supplied completed with 8xmA inputs, 12 programmable relays.
TPPLRC-D8SN	TPPL 19'' Rack controller supplied completed with 4xmA and 4xmV inputs, 12 programmable relays.
TPPLRC-V8DN	TPPL 19'' Rack controller supplied completed with 8xmV inputs, 24 programmable relays.
TPPLRC-A8DN	TPPL 19'' Rack controller supplied completed with 8xmA inputs, 24 programmable relays.
TPPLRC-D8DN	TPPL 19'' Rack controller supplied completed with 4xmA and 4xmV inputs, 24 programmable relays.
TPPLRC-V8D8	TPPL 19'' Rack controller supplied completed with 8xmV inputs, 24 programmable relays, and with 8x repeated mA outputs.
TPPLRC-A8D8	TPPL 19'' Rack controller supplied completed with 8xmA inputs, 24 programmable relays, and with 8x repeated mA outputs.
TPPLRC-D8D8	TPPL 19'' Rack controller supplied completed with 4xmA and 4xmV inputs, 24 programmable relays, and with 8x repeated mA outputs.

Touchpoint Plus 19'' Expansion Unit

Part Number	Description
TPPLRE-V4NN	TPPL 19'' Rack expansion unit supplied completed with 4xmV inputs, including Master 1, Master 2 and Master Fault.
TPPLRE-A4NN	TPPL 19'' Rack expansion unit supplied completed with 4xmA inputs, including Master 1, Master 2 and Master Fault.
TPPLRE-D4NN	TPPL 19'' Rack expansion unit supplied completed with 2xmA and 2xmV inputs, including Master 1, Master 2 and Master Fault.
TPPLRE-V4SN	TPPL 19'' Rack expansion unit supplied completed with 4xmV inputs, 12 programmable relays.
TPPLRE-A4SN	TPPL 19'' Rack expansion unit supplied completed with 4xmA inputs, 12 programmable relays.
TPPLRE-D4SN	TPPL 19'' Rack expansion unit supplied completed with 2xmA and 2xmV inputs, 12 programmable relays.
TPPLRE-V4S4	TPPL 19'' Rack expansion unit supplied completed with 4xmV inputs, 12 programmable relays, and with 4x repeated mA outputs.
TPPLRE-A4S4	TPPL 19'' Rack expansion unit supplied completed with 4xmA inputs, 12 programmable relays, and with 4x repeated mA outputs.
TPPLRE-D4S4	TPPL 19'' Rack expansion unit supplied completed with 2xmA and 2xmV inputs, 12 programmable relays, and with 4x repeated mA outputs.
TPPLRE-V8NN	TPPL 19'' Rack expansion unit supplied completed with 8xmV inputs, including Master 1, Master 2 and Master Fault.
TPPLRE-A8NN	TPPL 19'' Rack expansion unit supplied completed with 8xmA inputs, including Master 1, Master 2 and Master Fault.
TPPLRE-D8NN	TPPL 19'' Rack expansion unit supplied completed with 4xmA and 4xmV inputs, including Master 1, Master 2 and Master Fault.
TPPLRE-V8SN	TPPL 19'' Rack expansion unit supplied completed with 8xmV inputs, 12 programmable relays.
TPPLRE-A8SN	TPPL 19'' Rack expansion unit supplied completed with 8xmA inputs, 12 programmable relays.
TPPLRE-D8SN	TPPL 19'' Rack expansion unit supplied completed with 4xmA and 4xmV inputs, 12 programmable relays.
TPPLRE-V8DN	TPPL 19'' Rack expansion unit supplied completed with 8xmV inputs, 24 programmable relays.
TPPLRE-A8DN	TPPL 19'' Rack expansion unit supplied completed with 8xmA inputs, 24 programmable relays.
TPPLRE-D8DN	TPPL 19'' Rack expansion unit supplied completed with 4xmA and 4xmV inputs, 24 programmable relays.
TPPLRE-V8D8	TPPL 19'' Rack expansion unit supplied completed with 8xmV inputs, 24 programmable relays, and with 8x repeated mA outputs.
TPPLRE-A8D8	TPPL 19'' Rack expansion unit supplied completed with 8xmA inputs, 24 programmable relays, and with 8x repeated mA outputs.
TPPLRE-D8D8	TPPL 19'' Rack expansion unit supplied completed with 4xmA and 4xmV inputs, 24 programmable relays, and with 8x repeated mA outputs.